



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND REGION
5 POST OFFICE SQUARE SUITE 100 OES 05-1 BOSTON, MA 02109-3912

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

JUN 24 2014

Holly Bragdon
Plant Manager
Calpine-Westbrook Energy Center
60 Eisenhower Drive
Westbrook, Maine 04092

Re: Notice of Noncompliance Regarding the Chemical Accident Prevention Requirements of the Clean Air Act for Calpine-Westbrook Energy Center in Westbrook, ME.

Dear Ms. Bragdon:

On April 10, 2013 representatives of the United States Environmental Protection Agency (EPA) conducted an inspection of the above-referenced facility. The purpose of the inspection was to determine the compliance of Calpine-Westbrook Energy Center with the Chemical Accident Prevention Provisions of Section 112(r)(7) of the federal Clean Air Act (CAA).

The Chemical Accident Prevention Provisions of Section 112(r)(7) of the Clean Air Act, 42 U.S.C. § 7412 (r)(7), and 40 CFR Part 68, require facilities which produce, handle, process, distribute, or store certain chemicals to develop a Risk Management Program, prepare a Risk Management Plan, and submit the plan to EPA. The plan must be revised and resubmitted to EPA every five years, or as otherwise required by 40 CFR § 68.190.

Based upon EPA's inspection of your facility on April 10, 2013 and a review of other information, EPA has determined that Calpine-Westbrook Energy Center failed to meet all the requirements applicable to its Program 3 anhydrous ammonia system as detailed below:

- properly characterize the offsite consequence analyses as part of the facility's hazard assessment (40 CFR § 68.20 - § 68.39);
- label and/or tag all process piping and process components (40 CFR § 68.65)¹;
- install audible ammonia annunciation alarms immediately outside the doors accessing the machinery room and properly identify visual lights associated with the ammonia detectors by signage (40 CFR § 68.65(d));

¹ Similarly, the entire aqueous ammonia tank system was not properly labeled and/or tagged as required by §68.48 for a Program 2 process.

- properly mark machinery room access doors and insure a tight seal to machinery room doors as well as properly identify the high pressure receiver king valve (40 CFR § 68.65(d));
- properly design and install pressure relief valve header(s) to meet industry standards (40 CFR § 68.65(d));
- fully address all the hazards of the covered process in the hazard analysis, including the need for ammonia detectors for the outdoor high pressure receiver (40 CFR § 68.67)²;
- include health and safety considerations in standard operating procedures (40 CFR § 68.69); and
- properly calibrate and/or document the calibration of hand-held ammonia detectors (40 CFR § 68.73(d)).

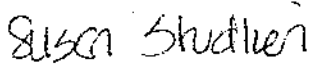
Notice is hereby given that Calpine-Westbrook Energy Center failed to meet all the requirements of Section 112(r) of the Clean Air Act. Within 30 days of receipt of this Notice, please submit a description of actions taken to address the violations listed above. The information should be sent to:

Jim Gaffey, Chemical Engineer
U.S. Environmental Protection Agency
Office of Environmental Stewardship
RCRA, EPCRA and Federal Programs Unit
Mail Code OES05-1
5 Post Office Square, Suite 100
Boston, MA 02109-3912

Failure to correct the violations as required by this Notice may subject Calpine-Westbrook Energy Center to further federal enforcement action, including the assessment of penalties.

If you have any questions concerning this Notice of Noncompliance or regarding Section 112(r) of the Clean Air Act, please contact Jim Gaffey at (617) 918-1753.

Sincerely,



Susan Studlien, Director
Office of Environmental Stewardship
U.S. Environmental Protection Agency, Region 1

cc: Jim Gaffey, EPA Region I

² Similarly, the need for outdoor ammonia detection was not addressed in the process hazard review for the outdoor aqueous ammonia tank as required by §68.50 for a Program 2 process.